TREASURY
Bureau of Statistics

# ALBERTA GROSS DOMESTIC PRODUCT

## 1989

## PRELIMINARY ESTIMATES

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# PREFACE

The Alberta Bureau of Statistics will release the annual Alberta Economic Accounts, 1989 publication later this year. This report, the preliminary release of the consolidated GDP tables, is provided to users who require more timely indicators as to how the economy performed in 1989. Since these are preliminary estimates, revisions will occur when final data become available.

For the first time, we have updated the complete set of tables that goes into the annual Alberta Economic Accounts publication. This detailed information is available only on ASIST or by purchasing a diskette. Also updated are tables showing the details of manufacturing exports and value of non-farm business inventories by industry, which are exclusive to ASIST.

This report contains data for 1981 to 1989 for GDP and its components for the income and expenditure accounts in current dollars; the expenditure account in constant (1981) dollars; implicit price indexes; and GDP by industry. Tables showing growth rates for these tables are also included. Historical data for all tables for 1961 to 1989 are available on ASIST or on diskette which can be obtained by contacting:

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## INTRODUCTION

This report contains summary tables detailing Alberta's economic production in 1989 as measured by preliminary estimates of gross domestic product (GDP). The tables include preliminary estimates of GDP and its components for both the income and expenditure accounts. We also have included tables showing constant dollar estimates of the expenditure account, implicit price indexes, and gross domestic product by industry as well as year-over-year percent changes for each of the tables. As noted in the preface, final data will be released later this year with the publication, Alberta Economic Accounts, 1989.

This publication contains only the tables listed above. For the first time, we are making the complete set of tables that go into the annual Alberta Economic Accounts publication available on ASIST or on diskette. **Please note that this is the final release of the constant dollar tables on a 1981=100 base.** We will be rebasing to 1986=100 for the final publication to facilitate comparisons with the rebased national accounts which were released in June.

The narrative and explanatory notes presented in this report are condensed in comparison to the annual Alberta Economic Accounts publication, which contains more complete information on concepts and methodology as well as more detailed information on the different sectors of the Alberta economy.

## THE ALBERTA ECONOMY IN 1989

Preliminary estimates indicate that Alberta's GDP in current dollars grew by 6.2% in 1989 to reach a level of $ 66.7 billion. The main sources of growth on the expenditure side of the accounts were strong personal expenditures, investment in residential construction, and exports, which grew mainly as a result of export prices increasing by 6.8%, the first increase since 1985. The largest increase in wages and salaries since 1982 led growth on the income side.

When prices are taken out of the estimates and GDP is converted to constant (1981) dollars, the level of growth was only 0.5%. This lower rate of growth was primarily due to a drop in the amount of oil exported from the province and a decline in the volume of non-residential construction. Consumer spending, the largest item on the expenditure account, grew at its highest rate since 1985.

Final Domestic Demand (FDD) is a measure of how the Alberta economy performs without the impact of exports and imports. In 1989, FDD grew by 7.0% in current dollars and by 2.9% in constant dollars.

Personal Income, which measures the income of individuals went up 6.7% in 1989, while Personal Disposable Income jumped 7.5%, indicating that individual income was not affected by the lower exports.

### Highlights of the Expenditure Account

- Consumer Expenditures, the largest item on the expenditure account, grew by 9.6%, its highest rate of growth since 1981. In constant dollars, the level of spending grew by 5.2% equalling the growth rate attained in 1985. Leading this growth was expenditures on durable goods, which jumped by 12.8% (8.1% constant).

- Government current expenditures, which measures the level of current operating expenditures for all levels of government, increased by 7.7% (2.5% real).

- Gross fixed capital formation only grew by 1.2% (-0.4% real) in 1989 after jumping by 19.4% (18.2% real) in 1988. The main reason for this decline in activity was a drop of 9.5% (-13.2% real) in business non-residential construction. Combined with a decrease in the growth rate for machinery and equipment from 30.3% in 1988 to only 4.3% in 1989, this more than offset the strong residential market which jumped by 20.0% (16.0% real).

- The value of physical change in inventories declined from $455 million in 1988 to $240 million in 1989. While non-farm inventories grew during the year, there was a swing of $368 million in farm inventories which fell from a build up of $259 million in 1988 to a reduction of $109 million in 1989.

- Total exports grew by 4.4% in 1989, up from the marginal growth of only 0.6% in 1988. Most of the gain in 1989 was due to increasing export prices which jumped by 6.8%, the first increase since 1985. However, mainly due to a drop of 5.7% in the volume of oil exported and only a 0.3% increase in the amount of gas exported in 1989 (after jumping 16.8% in 1988), the value of real exports declined by 2.6%.

- Because of the lower growth rates in investment, the value of imports only grew by 5.5% in 1989 after increasing by over 10% in 1988. In constant dollars, growth was only 4.3%.

**Highlights of the Income Account**

- Wages and salaries grew by 8.9%, the highest rate of growth since 1982.

The level of corporation profits increased by 3.9% in 1989 after declining by 9.6% in 1988. Most of this increase was due to the increase in oil prices.

- Farm Income declined by 39.1% from the record high recorded in 1988. While cash receipts went up slightly (2.3%), operating expenses increased by 6.3% and inventories fell (as noted earlier) leading to this decline.

- Interest and miscellaneous investment income increased marginally by 1.1%. While interest income of persons climbed 9.0%, a jump of over 19% in interest on the public debt (a negative component) resulted in the lower growth rate.

Indirect taxes grew by 7.9%, while subsidies declined by 11.9%.

The following tables present detailed data for the components of GDP in current and constant dollars along with their annual growth rates. Tables 9 and 10 provide data on GDP by industry at factor cost. Historical data for 1961 to 1988 are unchanged from the 1988 Alberta Economic Accounts and are available on ASIST or on diskette.

TABLE 1

GROSS DOMESTIC PRODUCT, INCOME BASED

| | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 (1) |
|---|---|---|---|---|---|---|---|---|---|
| | (MILLIONS OF DOLLARS) | | | | | | | | |
| WAGES, SALARIES AND SUPPLEMENTARY LABOUR INCOME (2) | 21,030 | 23,147 | 23,207 | 24,963 | 26,544 | 27,205 | 27,767 | 30,041 | 32,723 |
| CORPORATION PROFITS BEFORE TAXES | 8,514 | 8,426 | 10,358 | 11,659 | 12,416 | 6,417 | 8,611 | 7,786 | 8,093 |
| INTEREST AND MISCELLANEOUS INVESTMENT INCOME | 8,839 | 9,934 | 10,195 | 11,681 | 12,152 | 9,072 | 8,749 | 9,058 | 9,157 |
| ACCRUED NET INCOME OF FARM OPERATORS FROM FARM PRODUCTION (3) | 607 | 379 | 217 | 45 | 359 | 847 | 493 | 1,272 | 775 |
| NET INCOME OF NON-FARM UNINCORPORATED BUSINESS, INCLUDING RENT | 1,425 | 1,653 | 1,978 | 2,169 | 2,360 | 2,535 | 2,696 | 2,864 | 3,045 |
| INVENTORY VALUATION ADJUSTMENT | -650 | -404 | -220 | -206 | -134 | -40 | -225 | -148 | -273 |
| NET DOMESTIC INCOME AT FACTOR COST | 39,765 | 43,135 | 45,735 | 50,311 | 53,697 | 46,036 | 48,091 | 50,873 | 53,520 |
| CAPITAL CONSUMPTION ALLOWANCES | 6,540 | 7,338 | 7,891 | 8,871 | 9,360 | 9,981 | 10,186 | 10,812 | 11,560 |
| BUSINESS | 5,960 | 6,661 | 7,136 | 8,043 | 8,484 | 9,049 | 9,213 | 9,813 | 10,503 |
| GOVERNMENT | 580 | 677 | 755 | 828 | 876 | 932 | 973 | 999 | 1,057 |
| GROSS DOMESTIC PRODUCT AT FACTOR COST | 46,305 | 50,473 | 53,626 | 59,182 | 63,057 | 56,017 | 58,277 | 61,685 | 65,080 |
| INDIRECT TAXES | 3,938 | 4,279 | 4,029 | 4,413 | 4,261 | 3,804 | 4,396 | 4,884 | 5,271 |
| SUBSIDIES | -758 | -1,983 | -2,826 | -3,421 | -2,719 | -2,450 | -2,165 | -1,994 | -1,746 |
| RESIDUAL | 1,139 | 942 | 340 | -849 | -1,116 | -837 | -1,515 | -1,774 | -1,899 |
| GROSS DOMESTIC PRODUCT AT MARKET PRICES | 50,624 | 53,711 | 55,169 | 59,325 | 63,483 | 56,534 | 58,993 | 62,801 | 66,706 |

(1) PRELIMINARY - SUBJECT TO REVISION
(2) INCLUDES MILITARY PAY AND ALLOWANCES
(3) INCLUDES ADJUSTMENT ON GRAIN TRANSACTIONS

SOURCE: ALBERTA BUREAU OF STATISTICS, AUGUST, 1990

NOTE: DATA FOR 1961 TO 1989 FOR THIS TABLE CAN BE RETRIEVED FROM ASIST, MATRIX 6100

TABLE 2

GROSS DOMESTIC PRODUCT, EXPENDITURE BASED

| | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 (1) |
|---|---|---|---|---|---|---|---|---|---|
| | (MILLIONS OF DOLLARS) | | | | | | | | |
| PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES | 20,565 | 22,363 | 23,596 | 24,601 | 26,673 | 28,331 | 29,588 | 31,708 | 34,757 |
| GOVERNMENT CURRENT EXPENDITURE ON GOODS AND SERVICES (2) | 6,282 | 7,349 | 8,213 | 9,085 | 9,619 | 9,891 | 10,170 | 10,635 | 11,453 |
| GROSS FIXED CAPITAL FORMATION | 19,440 | 18,775 | 14,248 | 12,584 | 13,874 | 12,668 | 13,126 | 15,668 | 15,852 |
| GOVERNMENT | 2,192 | 2,842 | 2,266 | 1,866 | 2,082 | 2,093 | 1,873 | 1,770 | 1,949 |
| RESIDENTIAL CONSTRUCTION | 7 | 7 | 19 | 2 | 2 | 3 | 3 | 5 | 5 |
| NON-RESIDENTIAL CONSTRUCTION | 1,903 | 2,530 | 2,008 | 1,617 | 1,898 | 1,849 | 1,606 | 1,544 | 1,660 |
| MACHINERY AND EQUIPMENT | 282 | 305 | 239 | 247 | 182 | 241 | 264 | 221 | 284 |
| BUSINESS | 17,248 | 15,933 | 11,982 | 10,718 | 11,792 | 10,575 | 11,253 | 13,898 | 13,903 |
| RESIDENTIAL CONSTRUCTION | 3,416 | 2,780 | 2,146 | 1,501 | 1,616 | 1,664 | 2,014 | 2,312 | 2,775 |
| NON-RESIDENTIAL CONSTRUCTION | 8,697 | 8,379 | 6,105 | 5,791 | 6,791 | 5,713 | 5,674 | 6,942 | 6,285 |
| MACHINERY AND EQUIPMENT | 5,135 | 4,774 | 3,731 | 3,426 | 3,385 | 3,198 | 3,565 | 4,644 | 4,843 |
| FINAL DOMESTIC DEMAND | 46,287 | 48,487 | 46,057 | 46,270 | 50,166 | 50,890 | 52,884 | 58,011 | 62,062 |
| INVENTORIES | 68 | -1,072 | -605 | -262 | 80 | 764 | 156 | 455 | 240 |
| NON-FARM | 118 | -987 | -451 | 121 | 188 | 231 | 215 | 225 | 343 |
| FARM | 11 | -78 | -189 | -369 | - | 454 | -65 | 259 | -109 |
| GRAIN IN COMMERCIAL CHANNELS | -61 | -7 | 35 | -14 | -108 | 79 | 6 | -29 | 6 |
| EXPORTS OUT OF ALBERTA | 23,789 | 25,940 | 27,553 | 30,038 | 31,304 | 22,168 | 23,580 | 23,721 | 24,759 |
| IMPORTS INTO ALBERTA | -18,381 | -18,703 | -17,496 | -17,571 | -19,183 | -18,126 | -19,142 | -21,160 | -22,254 |
| RESIDUAL | -1,139 | -941 | -340 | 850 | 1,116 | 838 | 1,515 | 1,774 | 1,899 |
| GROSS DOMESTIC PRODUCT AT MARKET PRICES | 50,624 | 53,711 | 55,169 | 59,325 | 63,483 | 56,534 | 58,993 | 62,801 | 66,706 |

(1) PRELIMINARY - SUBJECT TO REVISION
(2) CURRENT REFERS TO CURRENT OPERATING EXPENDITURES ON GOODS AND SERVICES, RATHER THAN FIXED CAPITAL EXPENDITURES

SOURCE: ALBERTA BUREAU OF STATISTICS, AUGUST, 1990

NOTE: DATA FOR 1961 TO 1989 FOR THIS TABLE CAN BE RETRIEVED FROM ASIST, MATRIX 6100

**TABLE 3**

**PERCENTAGE CHANGE IN GROSS DOMESTIC PRODUCT, INCOME BASED**

**(SELECTED COMPONENTS)**

| | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 (1) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | (PERCENT) | | | | | |
| WAGES, SALARIES AND SUPPLEMENTARY LABOUR INCOME | 23.7 | 10.1 | 0.3 | 7.6 | 6.3 | 2.5 | 2.1 | 8.2 | 8.9 |
| CORPORATION PROFITS | -9.3 | -1.0 | 22.9 | 12.6 | 6.5 | -48.3 | 34.2 | -9.6 | 3.9 |
| INTEREST AND MISCELLANEOUS INVESTMENT INCOME | 20.1 | 12.4 | 2.6 | 14.6 | 4.0 | -25.3 | -3.6 | 3.5 | 1.1 |
| ACCRUED NET INCOME OF FARM OPERATORS | -11.0 | -37.6 | -42.7 | -79.3 | 697.8 | 135.9 | -41.8 | 158.0 | -39.1 |
| NET INCOME OF NON-FARM UNINCORPORATED BUSINESS | 11.9 | 16.0 | 19.7 | 9.7 | 8.8 | 7.4 | 6.4 | 6.2 | 6.3 |
| CAPITAL CONSUMPTION ALLOWANCES | 21.6 | 12.2 | 7.5 | 12.4 | 5.5 | 6.6 | 2.1 | 6.1 | 6.9 |
| **GROSS DOMESTIC PRODUCT AT FACTOR COST** | **14.5** | **9.0** | **6.2** | **10.4** | **6.5** | **-11.2** | **4.0** | **5.8** | **5.5** |
| INDIRECT TAXES LESS SUBSIDIES | 72.3 | -27.8 | -47.6 | -17.5 | 55.4 | -12.2 | 64.8 | 29.5 | 22.0 |
| **GROSS DOMESTIC PRODUCT AT MARKET PRICES** | **16.8** | **6.1** | **2.7** | **7.5** | **7.0** | **-10.9** | **4.3** | **6.5** | **6.2** |

(1) PRELIMINARY - SUBJECT TO REVISION

SOURCE: ALBERTA BUREAU OF STATISTICS, AUGUST, 1990

TABLE 4

PERCENTAGE CHANGE IN GROSS DOMESTIC PRODUCT, EXPENDITURE BASED

(SELECTED COMPONENTS)

| | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 (1) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | (PERCENT) | | | | | |
| PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES | 19.5 | 8.7 | 5.5 | 4.3 | 8.4 | 6.2 | 4.4 | 7.2 | 9.6 |
| GOVERNMENT CURRENT EXPENDITURE ON GOODS AND SERVICES | 25.3 | 17.0 | 11.8 | 10.6 | 5.9 | 2.8 | 2.8 | 4.6 | 7.7 |
| GROSS FIXED CAPITAL FORMATION | 28.5 | -3.4 | -24.1 | -11.7 | 10.3 | -8.7 | 3.6 | 19.4 | 1.2 |
| GOVERNMENT | 53.5 | 29.7 | -20.3 | -17.7 | 11.6 | 0.5 | -10.5 | -5.5 | 10.1 |
| BUSINESS | 25.9 | -7.6 | -24.8 | -10.5 | 10.0 | -10.3 | 6.4 | 23.5 | - |
| RESIDENTIAL CONSTRUCTION | 11.0 | -18.6 | -22.8 | -30.1 | 7.7 | 3.0 | 21.0 | 14.8 | 20.0 |
| NON-RESIDENTIAL CONSTRUCTION | 24.3 | -3.7 | -27.1 | -5.1 | 17.3 | -15.9 | -0.7 | 22.3 | -9.5 |
| MACHINERY AND EQUIPMENT | 41.7 | -7.0 | -21.8 | -8.2 | -1.2 | -5.5 | 11.5 | 30.3 | 4.3 |
| FINAL DOMESTIC DEMAND | 23.9 | 4.8 | -5.0 | 0.5 | 8.4 | 1.4 | 3.9 | 9.7 | 7.0 |
| EXPORTS OUT OF ALBERTA | 12.3 | 9.0 | 6.2 | 9.0 | 4.2 | -29.2 | 6.4 | 0.6 | 4.4 |
| IMPORTS INTO ALBERTA | 25.0 | 1.8 | -6.5 | 0.4 | 9.2 | -5.5 | 5.6 | 10.5 | 5.2 |
| GROSS DOMESTIC PRODUCT AT MARKET PRICES | 16.8 | 6.1 | 2.7 | 7.5 | 7.0 | -10.9 | 4.3 | 6.5 | 6.2 |

(1) PRELIMINARY - SUBJECT TO REVISION

SOURCE: ALBERTA BUREAU OF STATISTICS, AUGUST, 1990

TABLE 5

ROSS DOMESTIC PRODUCT IN CONSTANT (1981) DOLLARS

| | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 (1) |
|---|---|---|---|---|---|---|---|---|---|
| | (MILLIONS OF DOLLARS) | | | | | | | | |
| PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES | 20,565 | 20,053 | 20,142 | 20,594 | 21,657 | 22,220 | 22,286 | 23,262 | 24,469 |
| GOVERNMENT CURRENT EXPENDITURE ON GOODS AND SERVICES | 6,282 | 6,563 | 6,809 | 7,335 | 7,519 | 7,489 | 7,400 | 7,431 | 7,616 |
| GROSS FIXED CAPITAL FORMATION | 19,440 | 17,746 | 13,776 | 12,180 | 13,110 | 12,060 | 12,730 | 15,042 | 14,984 |
| GOVERNMENT | 2,192 | 2,653 | 2,170 | 1,831 | 2,018 | 2,050 | 1,888 | 1,737 | 1,834 |
| BUSINESS | 17,248 | 15,093 | 11,606 | 10,349 | 11,092 | 10,010 | 10,842 | 13,305 | 13,150 |
| RESIDENTIAL CONSTRUCTION | 3,416 | 2,759 | 2,179 | 1,496 | 1,588 | 1,585 | 1,862 | 2,091 | 2,425 |
| NON-RESIDENTIAL CONSTRUCTION | 8,697 | 7,860 | 5,831 | 5,552 | 6,253 | 5,334 | 5,318 | 6,171 | 5,358 |
| MACHINERY AND EQUIPMENT | 5,135 | 4,474 | 3,596 | 3,301 | 3,251 | 3,091 | 3,662 | 5,043 | 5,367 |
| ADJUSTING ENTRY | - | - | - | - | - | - | - | - | - |
| ADJUSTING ENTRY | - | - | - | - | - | - | - | - | - |
| ADJUSTING ENTRY | - | - | - | - | - | - | - | - | - |
| NAL DOMESTIC DEMAND | 46,287 | 44,362 | 40,727 | 40,109 | 42,286 | 41,769 | 42,416 | 45,735 | 47,069 |
| INVENTORIES | 68 | -990 | -658 | -312 | 38 | 961 | 8 | -113 | 306 |
| NON-FARM | 118 | -913 | -394 | 105 | 157 | 188 | 171 | 174 | 255 |
| FARM | 11 | -79 | -310 | -410 | 28 | 675 | -193 | -190 | 27 |
| GRAIN IN COMMERCIAL CHANNELS | -61 | 2 | 46 | -7 | -147 | 98 | 30 | -97 | 24 |
| EXPORTS OUT OF ALBERTA | 23,789 | 23,372 | 23,351 | 24,791 | 25,287 | 24,123 | 26,255 | 29,010 | 28,326 |
| MPORTS INTO ALBERTA | -18,381 | -17,738 | -16,412 | -15,730 | -16,878 | -15,512 | -16,437 | -18,106 | -18,888 |
| RESIDUAL | -1,139 | -844 | -289 | 711 | 908 | 769 | 1,381 | 1,659 | 1,661 |
| ADJUSTING ENTRY | - | - | - | - | - | - | - | - | - |
| GROSS DOMESTIC PRODUCT T MARKET PRICES | 50,624 | 48,162 | 46,719 | 49,569 | 51,641 | 52,110 | 53,623 | 58,185 | 58,474 |

RELIMINARY - SUBJECT TO REVISION

SOURCE: ALBERTA BUREAU OF STATISTICS, AUGUST, 1990

OTE: DATA FOR 1961 TO 1989 FOR THIS TABLE CAN BE RETRIEVED FROM ASIST, MATRIX 6102

TABLE 6

IMPLICIT PRICE INDEXES, GROSS DOMESTIC PRODUCT, 1981=100

| | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 (1) |
|---|---|---|---|---|---|---|---|---|---|
| PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES | 100.0 | 111.5 | 117.1 | 119.5 | 123.2 | 127.5 | 132.8 | 136.3 | 142.0 |
| GOVERNMENT CURRENT EXPENDITURE ON GOODS AND SERVICES | 100.0 | 112.0 | 120.6 | 123.9 | 127.9 | 132.1 | 137.4 | 143.1 | 150.4 |
| GROSS FIXED CAPITAL FORMATION | 100.0 | 105.8 | 103.4 | 103.3 | 105.8 | 105.0 | 103.1 | 104.2 | 105.8 |
| GOVERNMENT | 100.0 | 107.1 | 104.4 | 101.9 | 103.2 | 102.1 | 99.2 | 101.9 | 106.3 |
| BUSINESS | 100.0 | 105.6 | 103.2 | 103.6 | 106.3 | 105.6 | 103.8 | 104.5 | 105.7 |
| RESIDENTIAL CONSTRUCTION | 100.0 | 100.8 | 98.5 | 100.3 | 101.8 | 105.0 | 108.2 | 110.6 | 114.4 |
| NON-RESIDENTIAL CONSTRUCTION | 100.0 | 106.6 | 104.7 | 104.3 | 108.6 | 107.1 | 106.7 | 112.5 | 117.3 |
| MACHINERY AND EQUIPMENT | 100.0 | 106.7 | 103.8 | 103.8 | 104.1 | 103.5 | 97.4 | 92.1 | 90.2 |
| FINAL DOMESTIC DEMAND | 100.0 | 109.3 | 113.1 | 115.4 | 118.6 | 121.8 | 124.7 | 126.8 | 131.9 |
| EXPORTS OUT OF ALBERTA | 100.0 | 111.0 | 118.0 | 121.2 | 123.8 | 91.9 | 89.8 | 81.8 | 87.4 |
| IMPORTS INTO ALBERTA | 100.0 | 105.4 | 106.6 | 111.7 | 113.7 | 116.9 | 116.5 | 116.9 | 117.8 |
| GROSS DOMESTIC PRODUCT AT MARKET PRICES | 100.0 | 111.5 | 118.1 | 119.7 | 122.9 | 108.5 | 110.0 | 107.9 | 114.1 |

(1) PRELIMINARY - SUBJECT TO REVISION

SOURCE: ALBERTA BUREAU OF STATISTICS, AUGUST, 1990

NOTE: DATA FOR 1961 TO 1989 FOR THIS TABLE CAN BE RETRIEVED FROM ASIST, MATRIX 6104

TABLE 7

PERCENT CHANGE IN GROSS DOMESTIC PRODUCT

IN CONSTANT (1981) DOLLARS, SELECTED COMPONENTS

| | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 (1) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | (PERCENT) | | | | | |
| PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES | 5.7 | -2.5 | 0.4 | 2.2 | 5.2 | 2.6 | 0.3 | 4.4 | 5.2 |
| GOVERNMENT CURRENT EXPENDITURE ON GOODS AND SERVICES | 8.0 | 4.5 | 3.7 | 7.7 | 2.5 | -0.4 | -1.2 | 0.4 | 2.5 |
| GROSS FIXED CAPITAL FORMATION | 18.1 | -8.7 | -22.4 | -11.6 | 7.6 | -8.0 | 5.6 | 18.2 | -0.4 |
| GOVERNMENT | 37.5 | 21.0 | -18.2 | -15.6 | 10.2 | 1.6 | -7.9 | -8.0 | 5.6 |
| BUSINESS | 15.7 | -12.5 | -23.1 | -10.8 | 7.2 | -9.8 | 8.3 | 22.7 | -1.2 |
| RESIDENTIAL CONSTRUCTION | -0.3 | -19.2 | -21.0 | -31.3 | 6.1 | -0.2 | 17.5 | 12.3 | 16.0 |
| NON-RESIDENTIAL CONSTRUCTION | 16.8 | -9.6 | -25.8 | -4.8 | 12.6 | -14.7 | -0.3 | 16.0 | -13.2 |
| MACHINERY AND EQUIPMENT | 25.7 | -12.9 | -19.6 | -8.2 | -1.5 | -4.9 | 18.5 | 37.7 | 6.4 |
| FINAL DOMESTIC DEMAND | 10.5 | -4.2 | -8.2 | -1.5 | 5.4 | -1.2 | 1.5 | 7.8 | 2.9 |
| EXPORTS OUT OF ALBERTA | 3.2 | -1.8 | -0.1 | 6.2 | 2.0 | -4.6 | 8.8 | 10.5 | -2.4 |
| IMPORTS INTO ALBERTA | 15.0 | -3.5 | -7.5 | -4.2 | 7.3 | -8.1 | 6.0 | 10.2 | 4.3 |
| GROSS DOMESTIC PRODUCT AT MARKET PRICES | 6.4 | -4.9 | -3.0 | 6.1 | 4.2 | 0.9 | 2.9 | 8.5 | 0.5 |

(1) PRELIMINARY - SUBJECT TO REVISION

SOURCE: ALBERTA BUREAU OF STATISTICS, AUGUST, 1990

TABLE 8

PERCENT CHANGE FOR IMPLICIT PRICE INDEXES, 1981=100

| | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 (1) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | (PERCENT) | | | | | |
| PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES | 13.0 | 11.5 | 5.0 | 2.0 | 3.1 | 3.5 | 4.2 | 2.6 | 4.2 |
| GOVERNMENT CURRENT EXPENDITURE ON GOODS AND SERVICES | 16.0 | 12.0 | 7.7 | 2.7 | 3.2 | 3.3 | 4.0 | 4.1 | 5.1 |
| GROSS FIXED CAPITAL FORMATION | 8.8 | 5.8 | -2.3 | -0.1 | 2.4 | -0.8 | -1.8 | 1.1 | 1.5 |
| GOVERNMENT | 11.6 | 7.1 | -2.5 | -2.4 | 1.3 | -1.1 | -2.8 | 2.7 | 4.3 |
| BUSINESS | 8.8 | 5.6 | -2.3 | 0.4 | 2.6 | -0.7 | -1.7 | 0.7 | 1.1 |
| RESIDENTIAL CONSTRUCTION | 11.4 | 0.8 | -2.3 | 1.8 | 1.5 | 3.1 | 3.0 | 2.2 | 3.4 |
| NON-RESIDENTIAL CONSTRUCTION | 6.4 | 6.6 | -1.8 | -0.4 | 4.1 | -1.4 | -0.4 | 5.4 | 4.3 |
| MACHINERY AND EQUIPMENT | 12.7 | 6.7 | -2.7 | 0.0 | 0.3 | -0.6 | -5.9 | -5.4 | -2.1 |
| FINAL DOMESTIC DEMAND | 12.1 | 9.3 | 3.5 | 2.0 | 2.8 | 2.7 | 2.4 | 1.7 | 4.0 |
| EXPORTS OUT OF ALBERTA | 8.8 | 11.0 | 6.3 | 2.7 | 2.1 | -25.8 | -2.3 | -8.9 | 6.8 |
| IMPORTS INTO ALBERTA | 8.7 | 5.4 | 1.1 | 4.8 | 1.8 | 2.8 | -0.3 | 0.3 | 0.8 |
| GROSS DOMESTIC PRODUCT AT MARKET PRICES | 9.8 | 11.5 | 5.9 | 1.4 | 2.7 | -11.7 | 1.4 | -1.9 | 5.7 |

(1) PRELIMINARY - SUBJECT TO REVISION

SOURCE: ALBERTA BUREAU OF STATISTICS, AUGUST, 1990

TABLE 9

## GROSS DOMESTIC PRODUCT AT FACTOR COST (1), BY INDUSTRY

| | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 (9) |
|---|---|---|---|---|---|---|---|---|---|
| | (MILLIONS OF DOLLARS) | | | | | | | | |
| AGRICULTURE (2) | 1,814 | 1,695 | 1,461 | 1,335 | 1,745 | 2,264 | 2,035 | 2,817 | 2,318 |
| FORESTRY (3) | 102 | 120 | 113 | 131 | 143 | 151 | 167 | 178 | 185 |
| MINING | 9,315 | 10,462 | 12,565 | 14,586 | 15,477 | 9,120 | 10,554 | 9,893 | 10,427 |
| MANUFACTURING | 3,744 | 3,504 | 3,629 | 4,299 | 4,586 | 4,620 | 4,966 | 5,486 | 5,724 |
| CONSTRUCTION | 4,155 | 4,142 | 3,263 | 2,852 | 2,861 | 2,845 | 3,048 | 3,460 | 3,816 |
| TRANSPORTATION (4) | 2,942 | 3,353 | 3,448 | 3,545 | 3,749 | 3,938 | 4,108 | 4,294 | 4,553 |
| UTILITIES | 1,019 | 1,358 | 1,529 | 1,766 | 1,917 | 1,921 | 2,028 | 2,184 | 2,302 |
| TRADE (5) | 3,779 | 3,963 | 4,026 | 4,786 | 5,168 | 5,492 | 5,585 | 6,138 | 6,526 |
| FINANCE (6) | 10,028 | 10,993 | 11,986 | 13,397 | 14,130 | 11,825 | 11,362 | 11,786 | 12,517 |
| FINANCE - EXCLUDING NATURAL RESOURCE ROYALTIES | 5,955 | 6,472 | 7,229 | 8,341 | 9,217 | 9,238 | 9,346 | 9,713 | 10,408 |
| SERVICES (7) | 7,235 | 8,330 | 8,671 | 9,546 | 10,241 | 10,669 | 11,216 | 12,116 | 13,158 |
| PUBLIC ADMINISTRATION (8) | 2,173 | 2,552 | 2,933 | 2,941 | 3,040 | 3,172 | 3,210 | 3,332 | 3,554 |
| GROSS DOMESTIC PRODUCT AT FACTOR COST | 46,305 | 50,473 | 53,626 | 59,182 | 63,057 | 56,017 | 58,277 | 61,685 | 65,080 |

(1) GDP AT MARKET PRICE IS OBTAINED BY ADDING INDIRECT TAXES LESS SUBSIDIES, PLUS RESIDUAL; SEE TABLE 1
(2) INCLUDES FISHING AND TRAPPING
(3) INCLUDES ONLY LOGGING AND SERVICES INCIDENTAL TO FORESTRY; EXCLUDES SAWMILLS, PULP AND PAPER MILLS, ETC. WHICH ARE INCLUDED IN MANUFACTURING
(4) INCLUDES STORAGE AND COMMUNICATIONS
(5) INCLUDES RETAIL AND WHOLESALE TRADE
(6) INCLUDES INSURANCE AND REAL ESTATE; ALSO INCLUDES NATURAL RESOURCE ROYALTIES
(7) INCLUDES COMMUNITY, BUSINESS AND PERSONAL SERVICES
(8) INCLUDES FEDERAL, PROVINCIAL AND LOCAL GOVERNMENT ADMINISTRATION; DOES NOT INCLUDE PUBLIC SCHOOLS AND PUBLIC HOSPITALS WHICH ARE INCLUDED IN SERVICES
(9) PRELIMINARY - SUBJECT TO REVISION

NOTES: COMPONENTS MAY NOT ADD TO TOTALS DUE TO ROUNDING
DATA FOR 1961 TO 1989 FOR THIS TABLE CAN BE RETRIEVED FROM ASIST, MATRIX 6101

SOURCE: ALBERTA BUREAU OF STATISTICS, AUGUST, 1990

TABLE 10

PERCENT CHANGE IN GROSS DOMESTIC PRODUCT

AT FACTOR COST, BY INDUSTRY

| | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 (1) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | (PERCENT) | | | | | |
| AGRICULTURE (2) | 7.3 | -6.6 | -13.8 | -8.6 | 30.7 | 29.7 | -10.1 | 38.4 | -17.7 |
| FORESTRY (3) | 17.2 | 17.6 | -5.8 | 15.9 | 9.2 | 5.6 | 10.6 | 6.6 | 3.9 |
| MINING | -6.8 | 12.3 | 20.1 | 16.1 | 6.1 | -41.1 | 15.7 | -6.3 | 5.4 |
| MANUFACTURING | 28.6 | -6.4 | 3.6 | 18.5 | 6.7 | 0.7 | 7.5 | 10.5 | 4.3 |
| CONSTRUCTION | 36.5 | -0.3 | -21.2 | -12.6 | 0.3 | -0.6 | 7.1 | 13.5 | 10.3 |
| TRANSPORTATION (4) | 11.6 | 14.0 | 2.8 | 2.8 | 5.8 | 5.0 | 4.3 | 4.5 | 6.0 |
| UTILITIES | 35.0 | 33.3 | 12.6 | 15.5 | 8.6 | 0.2 | 5.6 | 7.7 | 5.4 |
| TRADE (5) | 17.1 | 4.9 | 1.6 | 18.9 | 8.0 | 6.3 | 1.7 | 9.9 | 6.3 |
| FINANCE (6) | 19.6 | 9.6 | 9.0 | 11.8 | 5.5 | -16.3 | -3.9 | 3.7 | 6.2 |
| FINANCE - EXCLUDING NATURAL RESOURCE ROYALTIES | 33.0 | 8.7 | 11.7 | 15.4 | 10.5 | 0.2 | 1.2 | 3.9 | 7.2 |
| SERVICES (7) | 22.4 | 15.1 | 4.1 | 10.1 | 7.3 | 4.2 | 5.1 | 8.0 | 8.6 |
| PUBLIC ADMINISTRATION (8) | 20.6 | 17.4 | 14.9 | 0.3 | 3.4 | 4.3 | 1.2 | 3.8 | 6.7 |
| GROSS DOMESTIC PRODUCT AT FACTOR COST | 14.5 | 9.0 | 6.2 | 10.4 | 6.5 | -11.2 | 4.0 | 5.8 | 5.5 |

(1) PRELIMINARY - SUBJECT TO REVISION
(2 TO 8) SEE TABLE 9

SOURCE: ALBERTA BUREAU OF STATISTICS, AUGUST, 1990